



STIC Search Report

EIC 3700

STIC Database Tracking Number: 134720

TO: Andres Kashnikow
Location: cp2 2a01
Art Unit: 3700
Thursday, October 07, 2004

Case Serial Number: 10/725360

From: Terry Solomon
Location: EIC 3700
CP2-2C08
Phone: 305-5932

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Search Notes

No litigation found on US Pat. 6246893.

Source: Lexis/Nexis and Questel-Orbit

Access DB# 134720

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 10/7/04
Art Unit: 3700 Phone Number 308-1137 Serial Number: 10725360
Mail Box and Bldg/Room Location: CP2-2A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LIT. SEARCH - U.S. PATENT No.
6,246,893

STAFF USE ONLY

Searcher: Solomon

Searcher Phone #: 305-5932

Searcher Location: CP2 2C08

Date Searcher Picked Up: 10-7-04

Date Completed: 10-7-04

Searcher Prep & Review Time: 3

Clerical Prep Time: _____

Online Time: 5

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) _____

Bibliographic _____

Litigation ☒

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN _____

Dialog _____

Questel/Orbit \$10.00

Dr.Link _____

Lexis/Nexis

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

873999 (08) 6246893 June 12, 2001

Time of Request: October 07, 2004 02:40 PM EDT

Research Information:

Utility, Design and Plant Patents
patno=6246893

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6246893

June 12, 2001

Method and device for glucose concentration measurement with special attention to blood
glucose determinations

REISSUE: December 1, 2003 - Reissue Application filed Ex. Gp.: 3739; Re. S.N. 10/725,360 (O.G. February 10, 2004)

APPL-NO: 873999 (08)

FILED-DATE: June 12, 1997

GRANTED-DATE: June 12, 2001

ASSIGNEE-AT-ISSUE: TecMed Incorporated, Albuquerque, New Mexico, 02

ASSIGNEE-AFTER-ISSUE: April 27, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., TECMED, INCORPORATED 5012 COPPER BLVD., N.E. ALBUQUERQUE NEW MEXICO 87108, Reel and Frame Number: 011749/0255

LEGAL-REP: Cahill, Sutton & Thomas P.L. C. - ##0

(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT
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Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US6246893 B1 20010612 [US6246893]

Title :

(B1) Method and device for glucose concentration measurement with special attention to blood glucose determinations

Patent Assignee :

(B1) TECMED INC (US)

Patent Assignee :

TecMed Incorporated, Albuquerque NM [US]

Inventor(s) :

(B1) GOBELI GARTH W (US)

Application Nbr :

US87399997 19970612 [1997US-0873999]

Priority Details :

US87399997 19970612 [1997US-0873999]

Intl Patent Class :

(B1) A61B-005/00

EPO ECLA Class :

A61B-005/00R4B

US Patent Class :

ORIGINAL (O) : 600318000; CROSS-REFERENCE (X) : 600319000 600336000

Document Type :

Basic

Citations :

US3958560; US4014321; US4721677; US5006342; US5009230; US5070874;
US5139023; US5140985; US5209231; US5313941; US5321265; US5370114;
US5379764; US5383452; US5398681; US5433197; US5435309; US5448992;
US5568049; US5687721; US5788632

Hecht, E, "Optics, Second Edition," Addison-Wesley Publishing, pp. 316-321, 1987.*

"Microdegree Polarimetry Using A Diode Laser For Glucose Detection", by Marcel J. Goetz Jr., Martin D. Fox and Robert B. Northrop, IEEE 1992, pp. 97-98.

"Noninvasive Glucose Monitoring of the Aqueous Humor of the Eye: Part I. Measurement of Very Small Optical Rotations", by B. Rabinovitch, W. F. March and Robert L. Adams, Diabetes Care, vol. 5, No. 3, May-Jun. 1982, pp. 254-258.

"A High-precision Photoelectric Polarimeter", by E. J. Gillham, Journal of Scientific Instruments, vol. 34, Nov. 1957, pp. 435-439.

"Noninvasive Glucose Monitoring of the Aqueous Humor of the Eye: Part I. Measurement of Very Small Optical Rotations", by B. Rabinovitch, W. F. March, and Robert L. Adams, Diabetes Care, vol. 5, No.3, May-Jun. 1982, pp. 254-258.*

"Multispectral polarimetric glucose detection using a single Pockels cell", by Timothy W. King, Gerard L. Cote, Roger McNichols and Marcel J. Goetz, Jr., Optical Engineering, Aug. 1995, vol. 33, No. 8, pp 2746-2753.

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

The concentration of glucose in the anterior chamber of an eye is non-invasively measured by guiding a beam through a polarizer (4), a quarter wave plate (6), a polarization modulator (20), and an analyzer (7). After initializing the polarizer and the analyzer to extinguish the beam, it is guided parallel to the iris (56) of the eye (50) and introduced into the anterior chamber (57), wherein it is refracted, impinges on and is reflected from the iris, and exits the anterior chamber approximately collinear with the portion (55A) of the beam incident on the anterior chamber. The beam then is guided onto a detector (10), and a sufficient signal is applied to the polarization modulator to extinguish the beam. The signal represents the glucose concentration in the patient's blood.

Update Code :

2001-25

1 / 1 LGST - ©EPO

Patent Number :

US6246893 B1 20010612 [US6246893]

Application Number :

US87399997 19970612 [1997US-0873999]

Action Taken :

20010427 US/AS-A

ASSIGNMENT

OWNER: TECMED, INCORPORATED 5012 COPPER BLVD., N.E. ALBUQ; EFFECTIVE

DATE: 20010423

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:GOBELI, GARTH

W.;REEL/FRAME:011749/0255

20040210 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031201

Update Code :

2004-34

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,246,893 A 20010612 [US6246893]

Patent Assignee :

TecMed Inc

Actions :

20031201 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040210

REISSUE REQUEST NUMBER: 10/725360

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3739

Reissue Patent Number:

20040107 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: TECMED, INCORPORATED, DATE SIGNED: 01/05/2004

Assignee: LESZINSKE, ALAN J., 5012 COPPER BLVD. NE, ALBUQUERQUE, NEW

MEXICO, 87108

Reel 014852/Frame 0703

Contact: SOUTHWEST INTELLECTUAL PROPERTY, SERVICES, LLC, KEVIN LYNN
WILDENSTEIN, 6700-B JEFFERSON NE, SUITE 8, ALBUQUERQUE, NM 87109

Session finished: 07 OCT 2004 Time 20:42:43
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.